

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Morten Mernoe  
Serial No. : 10/591,190  
Filed : August 31, 2006  
Title : AN ACTUATOR

Art Unit : Unknown  
Examiner : Unknown

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: November 27, 2006



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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 18879-014US1	Application No. 10/591,190
	Applicant Morten Mernoe		
	Filing Date August 31, 2006	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
T.S.J.	AA	3,886,938	06/03/1975	Szabo et al.			
	AB	4,231,368	11/04/1980	Becker			
	AC	4,300,554	11/17/1981	Hessberg et al.			
	AD	4,313,439	02/02/1982	Babb et al.			
	AE	4,493,704	01/15/1985	Beard et al.			
	AF	4,850,817	07/25/1989	Nason et al.			
	AG	5,190,522	03/02/1993	Wojcicki et al.			
	AH	5,314,412	05/24/1994	Rex			
	AI	5,342,180	08/30/1994	Daoud			
	AJ	5,395,340	03/07/1995	Lee			
	AK	5,411,487	05/02/1995	Castagna, John F.			
	AL	5,551,850	09/03/1996	Williamson et al.			
	AM	5,569,186	10/29/1996	Lord et al.			
	AN	5,626,566	05/06/1997	Petersen et al.			
	AO	5,637,095	06/10/1997	Nason et al.			
	AP	5,665,065	09/09/1997	Colman et al.			
	AQ	5,741,216	04/21/1998	Hemmingsen et al.			
	AR	5,919,167	07/06/1999	Mulhauser et al.			
	AS	5,925,018	07/20/1999	Ungerstedt			
	AT	5,928,201	07/27/1999	Poulsen et al.			
	AU	5,951,530	09/14/1999	Steengaard et al.			
	AV	5,957,889	09/28/1999	Poulsen et al.			
	AW	5,984,894	11/16/1999	Poulsen et al.			
	AX	5,984,897	11/16/1999	Petersen et al.			
	AY	6,003,736	12/21/1999	Ljunggren			
	AZ	6,010,485	01/04/2000	Buch-Rasmussen et al.			
	AAA	6,033,377	03/07/2000	Rasmussen et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
T.S./	ABB	6,045,537	04/04/2000	Klitmose			
	ACC	6,156,014	12/05/2000	Petersen et al.			
	ADD	6,231,540	05/15/2001	Smedegaard			
	AEE	6,248,067	06/19/2001	Causey, III et al.			
	AFF	6,248,090	06/19/2001	Jensen et al.			
	AGG	6,248,093	06/19/2001	Moberg			
	AHH	6,277,098	08/21/2001	Klitmose et al.			
	AII	6,302,855	10/16/2001	Lav et al.			
	AJJ	6,302,869	10/16/2001	Klitgaard			
	AKK	6,381,496	04/30/2002	Meadows et al.			
	ALL	6,427,088	07/30/2002	Bowman, IV et al.			
	AMM	6,461,331	10/08/2002	Van Antwerp			
	ANN	6,474,219	11/05/2002	Klitmose et al.			
	AOO	6,485,461	11/26/2002	Mason et al.			
	APP	6,508,788	01/21/2003	Preuthun			
	AQQ	6,533,183	03/18/2003	Aasmul et al.			
	ARR	6,537,251	03/25/2003	Klitmose			
	ASS	6,540,672	04/01/2003	Simonsen et al.			
	ATT	6,544,229	04/08/2003	Danby et al.			
	AUU	6,547,764	04/15/2003	Larsen et al.			
	AVV	6,551,276	04/22/2003	Mann et al.			
	AWW	6,554,798	04/29/2003	Mann et al.			
	AXX	6,554,800	04/29/2003	Nezhadian et al.			
	AYY	6,558,320	05/06/2003	Causey, III et al.			
	AZZ	6,558,351	05/06/2003	Steil et al.			
	AAAA	6,562,001	05/13/2003	Lebel et al.			
↓	ABBB	6,562,011	05/13/2003	Buch-Rasmussen et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/T.S./	ACCC	6,564,105	05/13/2003	Starkweather et al.			
	ADDD	6,569,126	05/27/2003	Poulsen et al.			
	AEEE	6,571,128	05/27/2003	Lebel et al.			
	AFFF	6,577,899	06/10/2003	Lebel et al.			
	AGGG	6,585,644	07/01/2003	Lebel et al.			
	AHHH	6,585,699	07/01/2003	Ljunggreen et al.			
	AIII	6,605,067	08/12/2003	Larsen			
	AJJJ	6,613,019	09/02/2003	Munk			
	AKKK	6,641,533	11/04/2003	Causey, III et al.			
	ALLL	6,648,821	11/18/2003	Lebel et al.			
	AMMM	6,650,951	11/18/2003	Jones et al.			
	ANNN	6,656,158	12/02/2003	Mahoney et al.			
	AOOO	6,656,159	12/02/2003	Flaherty			
	APPP	6,659,948	12/09/2003	Lebel et al.			
	AQQQ	6,659,978	12/09/2003	Kasuga et al.			
	ARRR	6,659,980	12/09/2003	Moberg et al.			
	ASSS	6,663,602	12/16/2003	Møller			
	ATTT	6,668,196	12/23/2003	Villegas et al.			
	AUUU	6,669,669	12/30/2003	Flaherty et al.			
	AVVV	6,687,546	02/03/2004	Lebel et al.			
	AWWW	6,691,043	02/10/2004	Ribeiro, Jr.			
	AXXX	6,692,457	02/17/2004	Flaherty			
	AYYY	6,692,472	02/16/2004	Hansen et al.			
	AZZZ	6,694,191	02/17/2004	Starkweather et al.			
	AAAAA	6,699,218	03/02/2004	Flaherty et al.			
	ABBBB	6,702,779	03/09/2004	Connelly et al.			
↓	ACCCC	6,715,516	04/06/2004	Ohms et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
T.S.7	ADDDD	6,716,198	04/06/2004	Larsen			
	ABBBE	6,723,072	04/20/2004	Flaherty et al.			
	AFFFF	6,733,446	05/11/2004	Lebel et al.			
	AGGGG	6,736,796	05/18/2004	Shekalim			
	AHHHH	6,740,059	05/25/2004	Flaherty			
	AIIII	6,740,072	05/25/2004	Starkweather et al.			
	AJJJJ	6,740,075	05/25/2004	Lebel et al.			
	AKKKK	6,744,350	06/01/2004	Blomquist			
	ALLLL	6,749,587	06/15/2004	Flaherty			
	AMMMM	6,752,787	06/22/2004	Causey, III et al.			
	ANNNN	6,758,810	07/06/2004	Lebel et al.			
	AOOOO	6,768,425	07/27/2004	Flaherty et al.			
	APPPP	6,780,156	08/24/2004	Haueter et al.			
	AQQQQ	6,786,246	09/07/2004	Ohms et al.			
	ARRRR	6,786,890	09/07/2004	Preuthun et al.			
	ASSSS	6,796,970	09/28/2004	Klitmose et al.			
	ATTTT	6,799,149	09/28/2004	Hartlaub			
	AUUUU	6,809,653	10/26/2004	Mann et al.			
	AVVVV	6,810,290	10/26/2004	Lebel et al.			
	AWWWW	6,811,533	11/02/2004	Lebel et al.			
	AXXXX	6,811,534	11/02/2004	Bowman, IV et al.			
	AYYYY	6,813,519	11/02/2004	Lebel et al.			
	AZZZZ	6,827,702	12/07/2004	Lebel et al.			
	AAAAAA	6,830,558	12/14/2004	Flaherty et al.			
	ABBBBB	6,852,104	02/08/2005	Blomquist			
	ACCCCC	6,854,620	02/15/2005	Ramey			
V	ADDDDD	6,854,653	02/15/2005	Eilersen			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/T.S./	AEEEEEE	6,855,129	02/15/2005	Jensen et al.			
	AFFFFF	6,872,200	03/29/2005	Mann et al.			
	AGGGGG	6,873,268	03/29/2005	Lebel et al.			
	AHHHHH	6,878,132	04/12/2005	Kipfer			
	AIIIII	6,893,415	05/17/2005	Madsen et al.			
	AJJJJJ	6,899,695	05/31/2005	Herrera			
	AKKKKK	6,899,699	05/31/2005	Enggaard			
	ALLLLL	6,922,590	07/26/2005	Whitehurst			
	AMMMMM	6,936,006	08/30/2005	Sabra			
	ANNNNN	6,936,029	08/30/2005	Mann et al.			
	AOOOOO	6,945,961	09/20/2005	Miller et al.			
	APPPPP	6,948,918	09/27/2005	Hansen			
	AQQQQQ	6,950,708	09/27/2005	Bowman, IV et al.			
	ARRRRR	6,960,192	11/01/2005	Flaherty et al.			
	ASSSSS	6,979,326	12/27/2005	Mann et al.			
	ATTTTT	6,997,911	02/14/2006	Klitmose			
	AUUUUU	6,997,920	02/14/2006	Mann et al.			
	AVVVVV	7,005,078	02/28/2006	Van Lintel et al.			
	AWWWWW	7,008,399	03/07/2006	Larson et al.			
	AXXXXX	7,014,625	03/21/2006	Bengtsson			
	AYYYYY	7,018,360	03/28/2006	Flaherty et al.			
	AZZZZZ	7,025,743	04/11/2006	Mann			
	AAAAAAA	7,029,455	04/18/2006	Flaherty			
	ABBBBBB	7,054,836	05/30/2006	Christensen et al.			
	ACCCCCC	7,104,972	09/12/2006	Møller et al.			
	ADDDDDD	7,133,329	11/07/2006	Skyggebjerg et al.			
↓	AEEEEEE	2002/0004651	01/10/2002	Ljndggreen et al.			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
T.S./	AAAAAAA	2002/0007154	01/07/2002	Hansen et al.			
	AGGGGGG	2002/0040208	04/04/2002	Flaherty et al.			
	AHHHHHH	2002/0091358	07/11/2002	Klitmose			
	AIIIIII	2003/0055380	03/20/2003	Flaherty			
	AJJJJJJ	2003/0199825	10/23/2003	Flaherty			
	AKKKKKK	2003/0216683	11/20/2003	Shekalim			
	ALLLLLL	2004/0010207	01/15/2004	Flaherty et al.			
	AMMMMMM	2004/0019325	01/29/2004	Shekalim			
	ANNNNNN	2004/0064088	04/01/2004	Gorman et al.			
	AOOOOOO	2004/0064096	04/01/2004	Flaherty et al.			
	APPPPPP	2004/0078028	04/22/2004	Flaherty et al.			
	AQQQQQQ	2004/0087894	05/06/2004	Flaherty			
	ARRRRRR	2004/0092865	05/13/2004	Flaherty et al.			
	ASSSSSS	2004/0092878	05/13/2004	Flaherty			
	ATTTTTT	2004/0116866	06/17/2004	Gorman et al.			
	AUUUUUU	2004/0127844	07/01/2004	Flaherty			
	AVVVVVV	2004/0153032	08/05/2004	Garibotto et al.			
	AWWWWWW	2004/0176727	09/09/2004	Shekalim			
	AXXXXXX	2004/0204673	10/14/2004	Flaherty			
	AYYYYYY	2004/0220551	11/04/2004	Flaherty et al.			
	AZZZZZZ	2004/0235446	11/25/2004	Flaherty et al.			
	AAAAAAAA	2004/0260233	12/23/2004	Garibotto et al.			
	BBBBBBB	2005/0021005	01/27/2005	Flaherty et al.			
	CCCCCCC	2005/0022274	01/27/2005	Campbell et al.			
	DDDDDDD	2005/0065760	03/24/2005	Murtfeldt et al.			
	EEEEEEE	2005/0090808	04/28/2005	Malave et al.			
V	FFFFFFF	2005/0171512	08/04/2005	Flaherty			

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/T.S./	AGGGGGGG	2005/0182366	08/18/2005	Vogt et al.			
	AHHHHHHH	2005/0203461	09/15/2005	Flaherty et al.			
	AIIIIIII	2005/0215982	09/29/2005	Malave et al.			
	AJJJJJJJ	2005/0222645	10/06/2005	Malave et al.			
	AKKKKKKK	2005/0238507	10/27/2005	Dilanni et al.			
	ALLLLLLL	2006/0041229	02/23/2006	Garibotto et al.			
	AMMMMMMM	2006/0069382	03/30/2006	Pedersen			
	ANNNNNNN	2006/0074381	04/06/2006	Malave et al.			
	AOOOOOOO	2006/0095014	05/04/2006	Ethelfeld			
	APPPPPPP	2006/0135913	06/22/2006	Ethelfeld			
	AQQQQQQQ	2006/0142698	06/29/2006	Ethelfeld			
	ARRRRRRR	2006/0178633	08/10/2006	Garibotto et al.			
	ASSSSSSS	2006/0184119	08/17/2006	Remde et al.			
	ATTTTTTT	2006/0200073	09/07/2006	Radmer et al.			
	AUUUUUUU	2006/0206054	09/14/2006	Shekalim			
	AVVVVVVV	2006/0247581	11/02/2006	Pedersen et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/T.S./	AWWWWWWW	GB 747 701	04/11/1956	UK				
/T.S./	AXXXXXXX	EP 0 496 141	07/29/1992	EP				
/T.S./	AYYYYYYY	WO 01/72360	10/04/2001	WIPO				
/T.S./	AZZZZZZZ	WO 05/072795	08/11/2005	WIPO				
/T.S./	AAAAAAAAA	EP 0 580 723	10/25/1995	EP				
/T.S./	BBBBBBBBB	EP 0 721 358	05/08/2002	EP				
/T.S./	ACCCCCCCC	EP 1 495 775	01/12/2005	EP				
/T.S./	ADDDDDDDD	EP 1 527 792	05/04/2005	EP				

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							Yes	No
/T.S./	ABEEEEEEE	CA 2,543,545	05/06/2005	CA				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
/T.S./	AFFFFFFF	Medtronic News Release, "Medtronic Receives FDA Approval for World's First Insulin Pump with Real-time Continuous Glucose Monitoring," April 13, 2006, 3 pages
/T.S./	AGGGGGGGG	Debiotech News Release, "Debiotech reveals its new miniaturized Disposable Insulin Nanopump™ for Diabetes therapy," available at <a href="http://www.debiotech.com/news/nw_159.html">http://www.debiotech.com/news/nw_159.html</a> , April 24, 2006, 3 pages

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